Thermal Cycler PCR LX101TCP

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Description

It is designed with a programmable temperature gradient for quick and easy identification of optimal annealing temperatures. It has an excellent temperature control system, fast heating and cooling rate. It is mainly used in molecular biology, clinical diagnosis, criminal investigations and infectious disease research etc with LCD display.

Specifications

Sample capacity	96 x 0.2 ml PCR tube, 12 x 0.2 ml PCR-8 strips, 1 x 0.2 ml 96-well PCR plate
Heating temperature range	0°C - 105°C
Lid temperature range	30°C - 115°C
Temperature display accuracy	0.1°C
Temperature control accuracy	± 0.1°C
Temperature uniformity (@55°C)	± 0.2°C
Max. heating and cooling rate	5°C/sec
Gradient temperature setting range	30°C - 105°C
Gradient range	1°C - 42°C
Display	7 Inch LCD touch screen
Adopter block material	Aluminum
User define file system	Upto 30 steps and 99
Power-off protection	Yes
Power supply	100 - 120 V / 200 - 240 V, 50 / 60 Hz
External dimension	296 x 370 x 295
Net weight	10 Kg
Packing dimension	590 x 430 x 440 mm
Gross weight	15 Kg

Features

- Quickly and easily identify optimal annealing temperatures by using the programmable temperature gradient
- Having an auxiliary heating mechanism which diminishes the edge effect and enhances the temperature uniformity
- Precise temperature control system and thermal gradient
- LCD display
- Large color touch screen for easy programming
- Consistent and uniform sealing across an entire block
- Hot lid auto-off function
- Integrated USB and Wi-Fi communication interface
- Can store up to 2000+ programs

Applications

- Used as laboratory instruments in the field of biotechnology, cloning, genotyping, and mutagenesis. In molecular biology, clinical diagnosis, criminal investigations and infectious disease research etc.

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